

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company <b>ConocoPhillips Company</b>	Contact <b>Crystal Tafoya</b>
Address <b>3401 East 30<sup>th</sup> St, Farmington, NM</b>	Telephone No. <b>(505) 326-9837</b>
Facility Name: <b>San Juan 32 Federal 12 # 1A</b>	Facility Type: <b>Gas Well</b>
Surface Owner <b>BLM</b>	Mineral Owner <b>BLM (SF-079329)</b>
API No. <b>30-045-31608</b>	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>I</b>	<b>12</b>	<b>32N</b>	<b>9W</b>	<b>1695</b>	<b>South</b>	<b>1380</b>	<b>East</b>	<b>San Juan</b>

Latitude **36.99583** Longitude **107.72528**

**NATURE OF RELEASE**

Type of Release <b>Produced Water</b>	Volume of Release <b>~164bbls</b>	Volume Recovered <b>~117bbls</b>
Source of Release <b>Transfer Pump</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>8/15/2012 at 9:30am</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Brandon Powell (OCD) &amp; Mark Kelly (BLM)</b>	
By Whom? <b>Crystal Tafoya</b>	Date and Hour <b>8/16/2012 at 9:15am</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

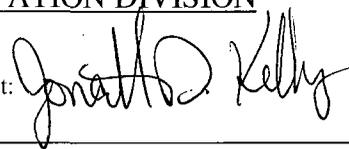
If a Watercourse was Impacted, Describe Fully.\*  
N/A

**RCVD NOV 14 '12  
OIL CONS. DIV.  
DIST. 3**

Describe Cause of Problem and Remedial Action Taken.\*  
**3/8" stainless steel tubing broke from the fitting on the line that goes from the discharge side of the transfer pump to the discharge transmitter. Water filled the berm around the water tanks and seeped to the outside, but remained on location. The transfer pump was immediately shut off and the 1" ball valve up stream of the line leak was closed. Water trucks were called immediately to pull the water from inside the berm where ~117bbls was recovered.**

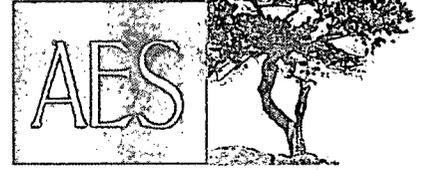
Describe Area Affected and Cleanup Action Taken.\*  
**Soil sampling was conducted by a third party and results were below NMOCD action levels. The soil was treated in place with MicroBlaze aggressively and the location is visible appealing. The soil sampling and assessment report is attached for review.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Crystal Tafoya</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>11/27/2012</b>	Expiration Date:
E-mail Address: <b>crystal.tafoya@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>8/20/2012</b>	Phone: <b>(505) 326-9837</b>	

\* Attach Additional Sheets If Necessary

nJK1233252076



Animas Environmental Services, LLC

[www.animasenvironmental.com](http://www.animasenvironmental.com)

624 E. Comanche  
Farmington, NM 87401  
505-564-2281

Durango, Colorado  
970-403-3274

November 7, 2012

Crystal Tafoya  
ConocoPhillips  
San Juan Business Unit  
Office 214-05  
5525 Hwy 64  
Farmington, New Mexico 87401

**RE: Initial Release Assessment Report  
San Juan 32 Federal 12 #1A  
San Juan County, New Mexico**

Dear Ms. Tafoya:

On August 16, 2012, Animas Environmental Services, LLC (AES) completed an initial release assessment at the ConocoPhillips (CoP) San Juan 32 Federal 12 #1A, located in San Juan County, New Mexico. A release occurred at the location as a result of a faulty transfer pump and was primarily contained within the secondary containment berm. The initial release assessment was completed by AES on August 16, 2012.

---

## 1.0 Site Information

### 1.1 Location

Location – NW¼ SE¼, Section 12, T32N, R9W, San Juan County, New Mexico  
Well Location Latitude/Longitude – N36.99587 and W107.72581, respectively  
Release Latitude/Longitude – N36.99602 and W107.72619, respectively  
Land Jurisdiction – Bureau of Land Management (BLM)  
Figure 1. Topographic Site Location Map  
Figure 2. Aerial Site Map, August 2012

### 1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a C-144 form dated February 2004 for the San Juan 32 Federal 12 #1A reported the depth to groundwater as 100 feet below ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (<http://ford.nmt.edu/react/project.html>) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet bgs. The wash in Beef Canyon is located approximately 700 feet northeast of the location. The site location has been assigned a ranking score of 10 per the *NMOCD Guidelines for Leaks, Spills, and Releases* (1993).

### **1.3 Release Assessment**

AES was initially contacted by Crystal Tafoya of CoP on August 15, 2012, and on August 16, 2012, Tom Long and Nathan Willis of AES completed the release assessment field work. The assessment included collection of 44 soil samples from 21 soil borings (SB-1 through SB-21) and one 5-point composite sample (SC-1) from within the release area. Sampling locations and results are presented on Figure 3.

---

## **2.0 Soil Sampling**

A total of 44 soil samples and 1 composite soil sample were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Samples SB-10, SB-12 through SB-15, and SC-1 were submitted for confirmation laboratory analysis.

### **2.1 Field Screening**

#### **2.1.1 Volatile Organic Compounds**

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### **2.1.2 Total Petroleum Hydrocarbons**

Field TPH samples were analyzed per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed *AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

### **2.2 Laboratory Analyses**

The six soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto

a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;

Note that SC-1 was only analyzed for chloride per USEPA Method 300.0.

### 2.3 Field Screening and Laboratory Analytical Results

Field screening results for VOCs via OVM showed concentrations ranging from 0.2 ppm in SB-8 and SB-19 at 2 feet up to 904 ppm in SB-14 at 2 feet. Field TPH concentrations ranged from 141 mg/kg in SB-12 at 1.5 feet up to 375 mg/kg if SB-15 at 1 foot. Results are included below in Table 1 and on Figure 3. The AES field screening report is attached.

Table 1. Soil Field Screening Results  
 San Juan 32 Federal 12 #1A Release Assessment, August 2012

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs OVM Reading (ppm)</i>	<i>Field TPH (mg/kg)</i>
			<i>NMOCD Action Level*</i>	<i>1,000</i>
SB-1	8/16/12	1	21.1	175
		2	19.8	NA
		3	25.7	178
SB-2	8/16/12	1	2.0	234
SB-3	8/16/12	1	0.4	161
SB-4	8/16/12	1	0.4	NA
		2	0.8	184
SB-5	8/16/12	1	0.4	NA
		2	0.5	167
		3	0.5	NA
SB-6	8/16/12	1	0.6	NA
		2	0.8	153
		3.5	0.7	NA
SB-7	8/16/12	1	0.3	NA
		2	0.5	147
SB-8	8/16/12	1	0.6	NA
		2	0.2	150
SB-9	8/16/12	1	0.6	NA
		1.5	0.8	147
SB-10	8/16/12	1	26.2	NA

<b>Sample ID</b>	<b>Date Sampled</b>	<b>Sample Depth (ft bgs)</b>	<b>VOCs OVM Reading (ppm)</b>	<b>Field TPH (mg/kg)</b>
		<i>NMOCD Action Level*</i>	100	1,000
		2	<b>222</b>	153
SB-11	8/16/12	1	92.9	184
		2	37.6	NA
		3	11.6	NA
SB-12	8/16/12	1	42	NA
		1.5	<b>153</b>	141
SB-13	8/16/12	1	<b>103</b>	NA
		2	<b>347</b>	156
		2.5	<b>210</b>	NA
SB-14	8/16/12	1	<b>226</b>	NA
		2	<b>904</b>	243
SB-15	8/16/12	1	<b>554</b>	375
		2	<b>325</b>	NA
		3	<b>447</b>	175
SB-16	8/16/12	0.5	0.3	181
SB-17	8/16/12	1	0.8	NA
		2	0.8	319
		3	1.3	NA
SB-18	8/16/12	1	0.4	170
SB-19	8/16/12	1	2.7	NA
		2	0.2	240
SB-20	8/16/12	1	1.8	NA
		2	1.3	153
SB-21	8/16/12	1	0.7	186

NA – Not Analyzed

\*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

Laboratory analyses were used to confirm field screening results from the assessment. Laboratory analytical results for all samples reported concentrations less than 0.050 mg/kg benzene and less than 0.25 mg/kg total BTEX. A chloride concentration of 53 mg/kg was reported in SC-1. Laboratory analytical results are summarized in Table 2 and included on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX and Chlorides  
 San Juan 32 Federal 12 #1A Release Assessment, August 2012

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>BTEX (mg/kg)</i>	<i>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>	<i>Chlorides (mg/kg)</i>
<i>NMOCD Action Level</i>			<i>10</i>	<i>50</i>	<i>1,000</i>		<i>250</i>
SB-10	8/16/12	2	<0.050	<0.25	NA	NA	NA
SB-12	8/16/12	1.5	<0.050	<0.25	NA	NA	NA
SB-13	8/16/12	2	<0.050	<0.25	NA	NA	NA
SB-14	8/16/12	2	<0.050	<0.25	NA	NA	NA
SB-15	8/16/12	1	<0.050	<0.25	NA	NA	NA
SC-1	8/16/12	0.5 to 1	NA	NA	NA	NA	53

NA=Not Analyzed

### 3.0 Conclusions and Recommendations

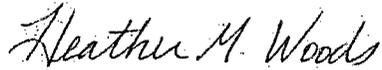
On August 16, 2012, AES conducted an initial assessment of a produced water release caused by a faulty transfer pump at the San Juan 32 Federal 12 #1A, located in San Juan County, New Mexico. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10. Field screening results above the NMOCD action level of 100 ppm for VOCs were reported in SB-10 and SB-12 through SB-15, with the highest concentration reported in SB-14 (904 ppm). However, field TPH results were reported below the NMOCD action level of 1,000 m/kg in all samples analyzed.

Samples selected for laboratory analyses reported benzene and total BTEX concentrations below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. The chloride concentration in SC-1 was reported below the NMOCD action level of 250 mg/kg with 53 mg/kg.

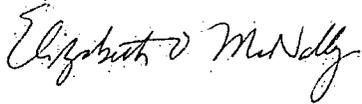
Based on visual observations along with field screening and laboratory analytical results, residual soil contaminants from the release do not exceed applicable NMOCD action levels. Therefore, no further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,



Heather Woods  
Staff Geologist

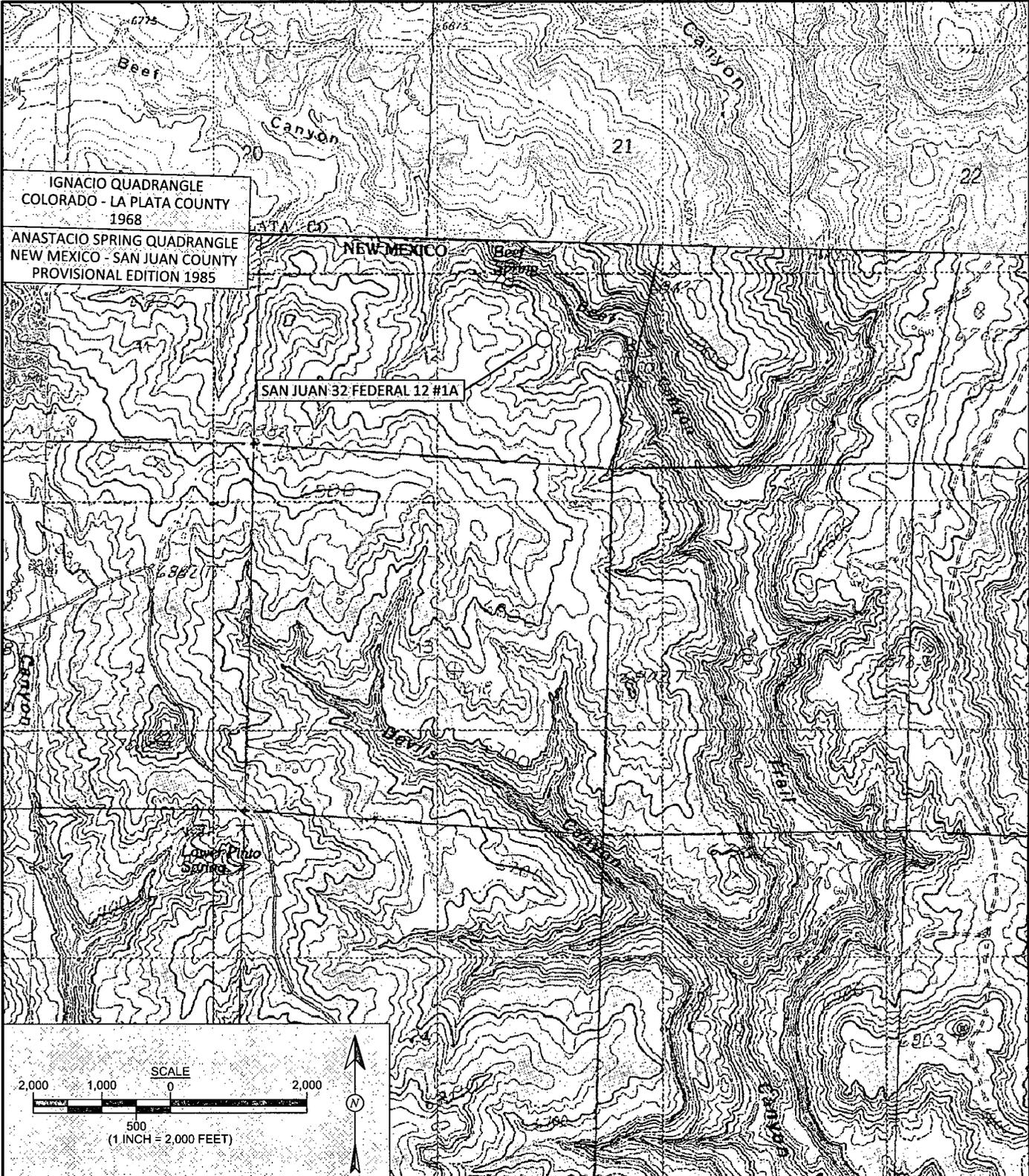


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, August 2012
- Figure 3. Initial Assessment Soil Sample Locations and Results, August 2012
- AES Field Screening Report 081612
- Hall Analytical Report 1208801
- Hall Analytical Report 1208876

R:\Animas 2000\2012 Projects\Conoco Phillips\SJ 32 Federal 12 #1A\SJ 32 Federal 12 #1A Release Assessment Report 110712.docx

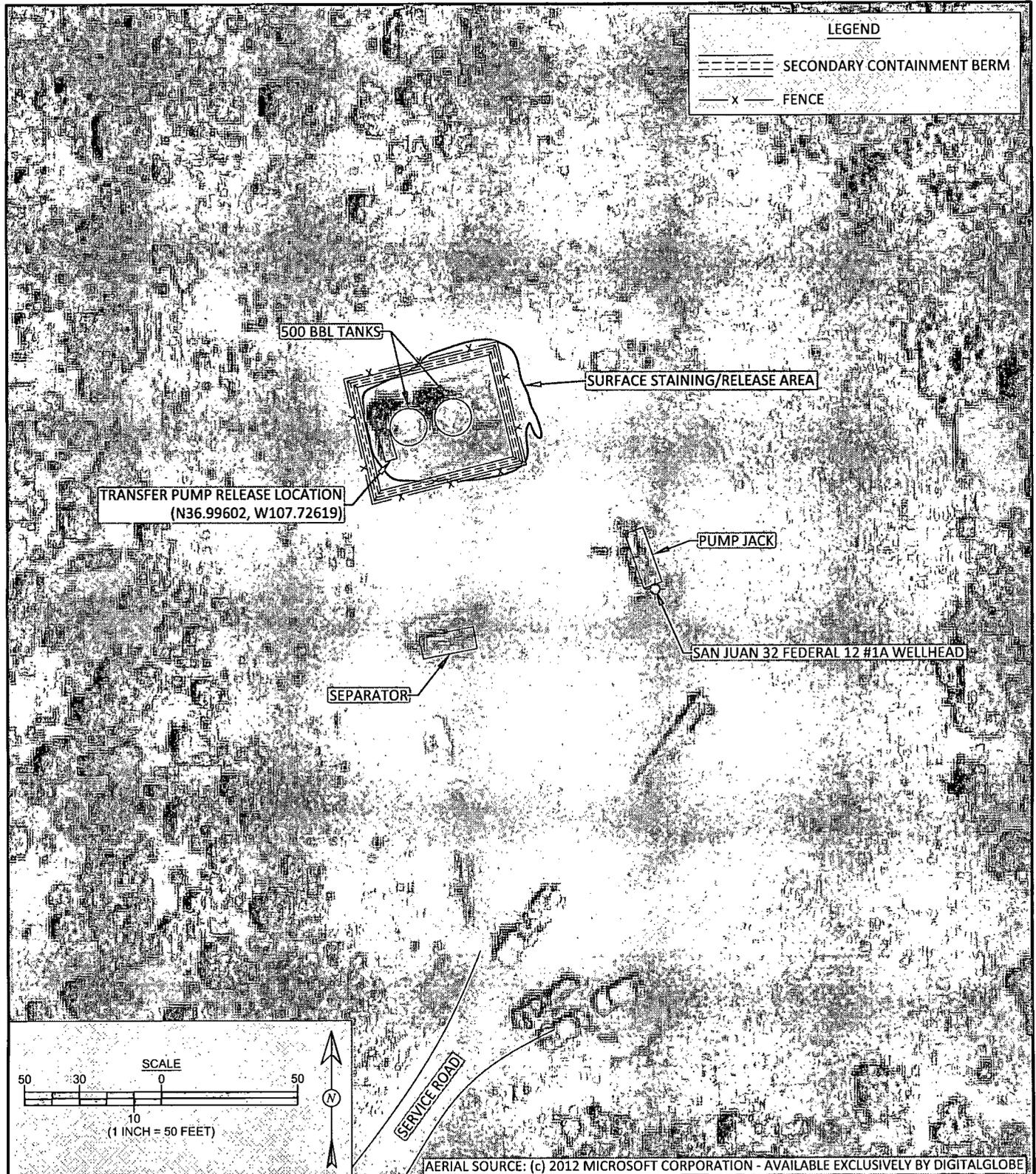


Animas Environmental Services, LLC

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> August 20, 2012
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> August 20, 2012
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> August 20, 2012
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> August 20, 2012

**FIGURE 1**

**TOPOGRAPHIC SITE LOCATION MAP**  
ConocoPhillips  
SAN JUAN 32 FEDERAL 12 #1A  
SAN JUAN COUNTY, NEW MEXICO  
NW¼ SE¼, SECTION 12, T32N, R9W  
N36.99587, W107.72581



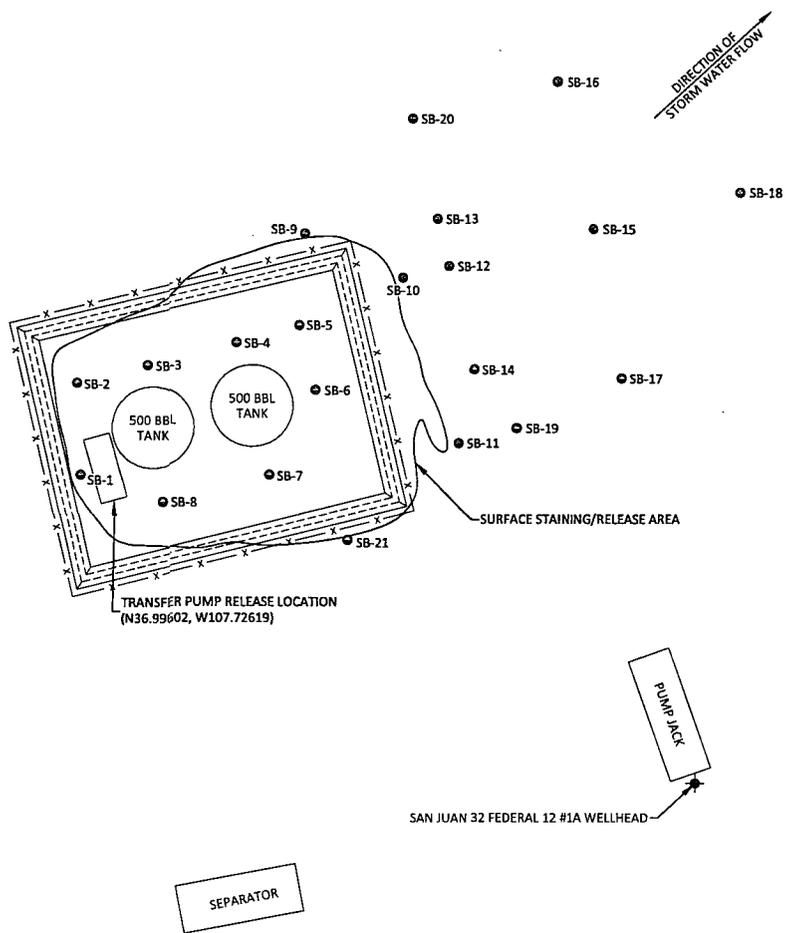
Animas Environmental Services, LLC

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> August 20, 2012
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> August 20, 2012
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> August 20, 2012
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> August 20, 2012

**FIGURE 2**

**AERIAL SITE MAP  
AUGUST 2012**

ConocoPhillips  
SAN JUAN 32 FEDERAL 12 #1A  
SAN JUAN COUNTY, NEW MEXICO  
NW¼ SE¼, SECTION 12, T32N, R9W  
N36.99587, W107.72581



**Field Screening Results**

Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
<b>NMOC ACTION LEVEL</b>				
		1	21.1	175
SB-1	8/16/12	2	19.8	NA
		3	25.7	178
SB-2	8/16/12	1	2.0	234
SB-3	8/16/12	1	0.4	161
SB-4	8/16/12	1	0.4	NA
		2	0.8	184
SB-5	8/16/12	1	0.4	NA
		2	0.5	167
		3	0.5	NA
SB-6	8/16/12	1	0.6	NA
		2	0.8	153
		3.5	0.7	NA
SB-7	8/16/12	1	0.3	NA
		2	0.5	147
SB-8	8/16/12	1	0.6	NA
		2	0.2	150
SB-9	8/16/12	1	0.6	NA
		1.5	0.8	147
SB-10	8/16/12	1	26.2	NA
		2	222	153
SB-11	8/16/12	1	92.9	184
		2	37.6	NA
		3	11.6	NA
SB-12	8/16/12	1	42	NA
		1.5	153	141
		1	103	NA
SB-13	8/16/12	2	347	156
		2.5	210	NA
SB-14	8/16/12	1	226	NA
		2	904	243
SB-15	8/16/12	1	554	375
		2	325	NA
		3	477	175
SB-16	8/16/12	0.5	0.3	181
		1	0.8	NA
SB-17	8/16/12	2	0.8	319
		3	1.3	NA
SB-18	8/16/12	1	0.4	170
SB-19	8/16/12	1	2.7	NA
		2	0.2	240
SB-20	8/16/12	1	1.8	NA
		2	1.3	153
SB-21	8/16/12	1	0.7	189

NA - NOT ANALYZED

**Laboratory Analytical Results**

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)
<b>NMOC ACTION LEVEL</b>					
			10	50	250
SB-10	8/16/12	2	<0.050	<0.25	NA
SB-12	8/16/12	1.5	<0.050	<0.25	NA
SB-13	8/16/12	2	<0.050	<0.25	NA
SB-14	8/16/12	2	<0.050	<0.25	NA
SB-15	8/16/12	1	<0.050	<0.25	NA
SC-1	8/16/12	0.5 to 1	NA	NA	53

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 300.0.  
NA - NOT ANALYZED

**FIGURE 3**

**INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS AUGUST 2012**  
 ConocoPhillips  
 SAN JUAN 32 FEDERAL 12 #1A  
 SAN JUAN COUNTY, NEW MEXICO  
 NW¼ SE¼, SECTION 12, T32N, R9W  
 N36.99587, W107.72581

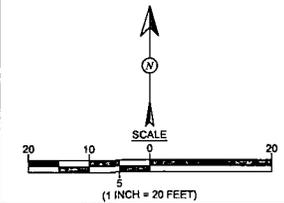


Animas Environmental Services, LLC

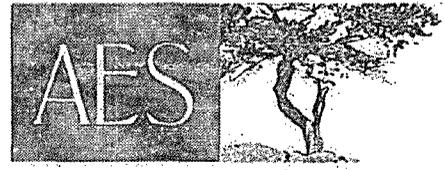
<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> August 20, 2012
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> August 20, 2012
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> August 20, 2012
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> August 20, 2012

**LEGEND**

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x - FENCE



# AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 32 Federal 12 #1A

Date: 8/16/2012

624 E. Comanche  
Farmington, NM 87401  
505-564-2281

Durango, Colorado  
970-405-3274

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
SB-1 @ 1'	8/16/2012	10:55	21.1	17:45	175	40.0	1	KC	
SB-1 @ 2'	8/16/2012	10:57	19.8	Not Analyzed for TPH					
SB-1 @ 3'	8/16/2012	10:59	25.7	17:49	178	40.0	1	KC	
SB-2 @ 1'	8/16/2012	11:03	2.0	17:52	234	40.0	1	KC	
SB-3 @ 1'	8/16/2012	11:07	0.4	17:56	161	40.0	1	KC	
SB-4 @ 1'	8/16/2012	11:10	0.4	Not Analyzed for TPH					
SB-4 @ 2'	8/16/2012	11:13	0.8	18:00	184	40.0	1	KC	
SB-5 @ 1'	8/16/2012	11:18	0.4	Not Analyzed for TPH					
SB-5 @ 2'	8/16/2012	11:20	0.5	18:03	167	40.0	1	KC	
SB-5 @ 3'	8/16/2012	11:22	0.5	Not Analyzed for TPH					
SB-6 @ 1'	8/16/2012	11:23	0.6	Not Analyzed for TPH					
SB-6 @ 2'	8/16/2012	11:24	0.8	18:05	153	40.0	1	KC	
SB-6 @ 3.5'	8/16/2012	11:26	0.7	Not Analyzed for TPH					
SB-7 @ 1'	8/16/2012	11:28	0.3	Not Analyzed for TPH					
SB-7 @ 2'	8/16/2012	11:30	0.5	18:08	147	40.0	1	KC	
SB-8 @ 1'	8/16/2012	11:33	0.6	Not Analyzed for TPH					
SB-8 @ 2'	8/16/2012	11:35	0.2	18:12	150	40.0	1	KC	
SB-9 @ 1'	8/16/2012	11:42	0.6	Not Analyzed for TPH					
SB-9 @ 1.5'	8/16/2012	11:44	0.8	18:14	147	40.0	1	KC	
SB-10 @ 1'	8/16/2012	11:49	26.2	Not Analyzed for TPH					
SB-10 @ 2'	8/16/2012	11:53	222	18:17	153	40.0	1	KC	
SB-11 @ 1'	8/16/2012	11:56	92.9	18:21	184	40.0	1	KC	

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-11 @ 2'	8/16/2012	12:00	37.6	Not Analyzed for TPH				
SB-11 @ 3'	8/16/2012	12:03	11.6	Not Analyzed for TPH				
SB-12 @ 1'	8/16/2012	12:10	42	Not Analyzed for TPH				
SB-12 @ 1.5'	8/16/2012	12:12	153	18:24	141	40.0	1	KC
SB-13 @ 1'	8/16/2012	12:16	103	Not Analyzed for TPH				
SB-13 @ 2'	8/16/2012	12:18	347	18:26	156	40.0	1	KC
SB-13 @ 2.5'	8/16/2012	12:19	210	Not Analyzed for TPH				
SB-14 @ 1'	8/16/2012	12:21	226	Not Analyzed for TPH				
SB-14 @ 2'	8/16/2012	12:23	904	18:29	243	40.0	1	KC
SB-15 @ 1'	8/16/2012	12:55	554	18:30	375	40.0	1	KC
SB-15 @ 2'	8/16/2012	12:57	325	Not Analyzed for TPH				
SB-15 @ 3'	8/16/2012	12:58	477	18:33	175	40.0	1	KC
SB-16 @ 0.5'	8/16/2012	13:01	0.3	18:35	181	40.0	1	KC
SB-17 @ 1'	8/16/2012	13:15	0.8	Not Analyzed for TPH				
SB-17 @ 2'	8/16/2012	13:17	0.8	18:37	319	40.0	1	KC
SB-17 @ 3'	8/16/2012	13:19	1.3	Not Analyzed for TPH				
SB-18 @ 1'	8/16/2012	13:20	0.4	18:39	170	40.0	1	KC
SB-19 @ 1'	8/16/2012	13:25	2.7	Not Analyzed for TPH				
SB-19 @ 2'	8/16/2012	13:28	0.2	18:40	240	40.0	1	KC
SB-20 @ 1'	8/16/2012	13:30	1.8	Not Analyzed for TPH				
SB-20 @ 2'	8/16/2012	13:32	1.3	18:42	153	40.0	1	KC
SB-21 @ 1'	8/16/2012	13:50	0.7	18:45	189	40.0	1	KC

Total Petroleum Hydrocarbons - USEPA 418.1

PQL Practical Quantitation Limit  
 ND Not Detected at the Reporting Limit  
 DF Dilution Factor  
 NA Not Analyzed

Analyst:





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

August 20, 2012

Debbie Watson

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 486-4071

FAX

RE: CoP San Juan 32 Federal 12 #1A

OrderNo.: 1208801

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/18/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Animas Environmental Services

Client Sample ID: SB-10@2'

Project: CoP San Juan 32 Federal 12 #1A

Collection Date: 8/16/2012 11:53:00 AM

Lab ID: 1208801-001

Matrix: MEOH (SOIL)

Received Date: 8/18/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	8/18/2012 12:57:06 PM
Toluene	ND	0.050		mg/Kg	1	8/18/2012 12:57:06 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/18/2012 12:57:06 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/18/2012 12:57:06 PM
Surr: 4-Bromofluorobenzene	98.0	80-120		%REC	1	8/18/2012 12:57:06 PM

**Qualifiers:**

\* / X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

U Samples with CalcVal < MDL

**Analytical Report**

Lab Order **1208801**

Date Reported: **8/20/2012**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SB-12@1.5'

**Project:** CoP San Juan 32 Federal 12 #1A

**Collection Date:** 8/16/2012 12:12:00 PM

**Lab ID:** 1208801-002

**Matrix:** MEOH (SOIL)

**Received Date:** 8/18/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.050		mg/Kg	1	8/18/2012 1:25:49 PM
Toluene	ND	0.050		mg/Kg	1	8/18/2012 1:25:49 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/18/2012 1:25:49 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/18/2012 1:25:49 PM
Surr: 4-Bromofluorobenzene	95.7	80-120		%REC	1	8/18/2012 1:25:49 PM

**Qualifiers:**

- \*X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- U Samples with CalcVal < MDL

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SB-13@2'

**Project:** CoP San Juan 32 Federal 12 #1A

**Collection Date:** 8/16/2012 12:18:00 PM

**Lab ID:** 1208801-003

**Matrix:** MEOH (SOIL)

**Received Date:** 8/18/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.050		mg/Kg	1	8/18/2012 1:54:32 PM
Toluene	ND	0.050		mg/Kg	1	8/18/2012 1:54:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/18/2012 1:54:32 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/18/2012 1:54:32 PM
Surr: 4-Bromofluorobenzene	96.9	80-120		%REC	1	8/18/2012 1:54:32 PM

<b>Qualifiers:</b>	*X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services  
**Project:** CoP San Juan 32 Federal 12 #1A  
**Lab ID:** 1208801-004

**Client Sample ID:** SB-14@2'  
**Collection Date:** 8/16/2012 12:23:00 PM  
**Received Date:** 8/18/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.050		mg/Kg	1	8/18/2012 2:23:21 PM
Toluene	ND	0.050		mg/Kg	1	8/18/2012 2:23:21 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/18/2012 2:23:21 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/18/2012 2:23:21 PM
Surr: 4-Bromofluorobenzene	98.7	80-120		%REC	1	8/18/2012 2:23:21 PM

<b>Qualifiers:</b>	*X Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	U Samples with CalcVal < MDL

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental Services**Client Sample ID:** SB-15@1'**Project:** CoP San Juan 32 Federal 12 #1A**Collection Date:** 8/16/2012 12:55:00 PM**Lab ID:** 1208801-005**Matrix:** MEOH (SOIL)**Received Date:** 8/18/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	8/18/2012 2:52:12 PM
Toluene	ND	0.050		mg/Kg	1	8/18/2012 2:52:12 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/18/2012 2:52:12 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/18/2012 2:52:12 PM
Surr: 4-Bromofluorobenzene	96.4	80-120		%REC	1	8/18/2012 2:52:12 PM

**Qualifiers:**

\* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit  
 U Samples with CalcVal < MDL

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208801

20-Aug-12

**Client:** Animas Environmental Services  
**Project:** CoP San Juan 32 Federal 12 #1A

Sample ID	<b>MB-3385</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>3385</b>	RunNo:	<b>4951</b>					
Prep Date:	<b>8/17/2012</b>	Analysis Date:	<b>8/18/2012</b>	SeqNo:	<b>140000</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	<b>LCS-3385</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>3385</b>	RunNo:	<b>4951</b>					
Prep Date:	<b>8/17/2012</b>	Analysis Date:	<b>8/18/2012</b>	SeqNo:	<b>140004</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.050	1.000	0	91.1	76.3	117			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.9	77	116			
Xylenes, Total	2.9	0.10	3.000	0	97.0	76.7	117			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	<b>1208727-001A MS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3385</b>	RunNo:	<b>4951</b>					
Prep Date:	<b>8/17/2012</b>	Analysis Date:	<b>8/18/2012</b>	SeqNo:	<b>140006</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.048	0.9643	0	98.7	67.2	113			
Toluene	1.0	0.048	0.9643	0	104	62.1	116			
Ethylbenzene	1.0	0.048	0.9643	0	108	67.9	127			
Xylenes, Total	3.1	0.096	2.893	0	109	60.6	134			
Surr: 4-Bromofluorobenzene	0.95		0.9643		98.8	80	120			

Sample ID	<b>1208727-001A MSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>3385</b>	RunNo:	<b>4951</b>					
Prep Date:	<b>8/17/2012</b>	Analysis Date:	<b>8/18/2012</b>	SeqNo:	<b>140007</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.048	0.9653	0	101	67.2	113	2.20	14.3	
Toluene	1.0	0.048	0.9653	0	104	62.1	116	0.224	15.9	
Ethylbenzene	1.0	0.048	0.9653	0	107	67.9	127	1.24	14.4	
Xylenes, Total	3.1	0.097	2.896	0	107	60.6	134	1.34	12.6	
Surr: 4-Bromofluorobenzene	0.98		0.9653		101	80	120	0	0	

**Qualifiers:**

- \*X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

**Sample Log-In Check List**

Client Name: **Animas Environmental** Work Order Number: **1208801**  
 Received by/date: AT 08/18/12  
 Logged By: **Michelle Garcia** 8/18/2012 10:30:00 AM *Michelle Garcia*  
 Completed By: **Michelle Garcia** 8/18/2012 10:51:20 AM *Michelle Garcia*  
 Reviewed By: mg 08/18/12

**Chain of Custody**

- 1. Were seals intact? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Coolers are present? (see 19. for cooler specific information) Yes  No  NA
- 5. Was an attempt made to cool the samples? Yes  No  NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 7. Sample(s) in proper container(s)? Yes  No
- 8. Sufficient sample volume for indicated test(s)? Yes  No
- 9. Are samples (except VOA and ONG) properly preserved? Yes  No
- 10. Was preservative added to bottles? Yes  No  NA
- 11. VOA vials have zero headspace? Yes  No  No VOA Vials
- 12. Were any sample containers received broken? Yes  No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No
- 14. Are matrices correctly identified on Chain of Custody? Yes  No
- 15. Is it clear what analyses were requested? Yes  No
- 16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes  No

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: \_\_\_\_\_

**Special Handling (if applicable)**

- 17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

18. Additional remarks:

**19. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

August 22, 2012

Debbie Watson

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 486-4071

FAX

RE: COP San Juan 32 Federal 12 #1A

OrderNo.: 1208876

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/21/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1208876

22-Aug-12

**Client:** Animas Environmental Services  
**Project:** COP San Juan 32 Federal 12 #1A

Sample ID: <b>MB-3423</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>3423</b>	RunNo: <b>5004</b>								
Prep Date: <b>8/21/2012</b>	Analysis Date: <b>8/21/2012</b>	SeqNo: <b>141603</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-3423</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>3423</b>	RunNo: <b>5004</b>								
Prep Date: <b>8/21/2012</b>	Analysis Date: <b>8/21/2012</b>	SeqNo: <b>141604</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: <b>1208829-008AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>3423</b>	RunNo: <b>5004</b>								
Prep Date: <b>8/21/2012</b>	Analysis Date: <b>8/21/2012</b>	SeqNo: <b>141627</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	36	7.5	15.00	18.31	116	64.4	117			

Sample ID: <b>1208829-008AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>3423</b>	RunNo: <b>5004</b>								
Prep Date: <b>8/21/2012</b>	Analysis Date: <b>8/21/2012</b>	SeqNo: <b>141628</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	31	7.5	15.00	18.31	87.4	64.4	117	13.0	20	

**Qualifiers:**

- |  |  |
|--|--|
| * / X Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank    |
| E Value above quantitation range               | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits   | ND Not Detected at the Reporting Limit               |
| R RPD outside accepted recovery limits         | RL Reporting Detection Limit                         |

**Sample Log-In Check List**

Client Name: Animas Environmental Work Order Number: 1208876  
 Received by/date: *[Signature]* 08/21/12  
 Logged By: Ashley Gallegos 8/21/2012 10:31:00 AM *[Signature]*  
 Completed By: Ashley Gallegos 8/21/2012 10:39:16 AM *[Signature]*  
 Reviewed By: *[Signature]* 08/21/12

**Chain of Custody**

- 1. Were seals intact? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Coolers are present? (see 19. for cooler specific information) Yes  No  NA
- 5. Was an attempt made to cool the samples? Yes  No  NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 7. Sample(s) in proper container(s)? Yes  No
- 8. Sufficient sample volume for indicated test(s)? Yes  No
- 9. Are samples (except VOA and ONG) properly preserved? Yes  No
- 10. Was preservative added to bottles? Yes  No  NA

- 11. VOA vials have zero headspace? Yes  No  No VOA Vials
- 12. Were any sample containers received broken? Yes  No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No
- 14. Are matrices correctly identified on Chain of Custody? Yes  No
- 15. Is it clear what analyses were requested? Yes  No
- 16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes  No

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: \_\_\_\_\_

**Special Handling (if applicable)**

- 17. Was client notified of all discrepancies with this order? Yes  No  NA

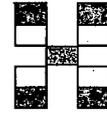
Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

18. Additional remarks:

**19. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

# Chain-of-Custody Record



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: Animas Environmental Services LLC  
 Mailing Address: 624 F Comanche Farmington NM 87401  
 Phone #: 505 564 2281  
 email or Fax#: \_\_\_\_\_  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation  
 NELAP  Other \_\_\_\_\_  
 EDD (Type) \_\_\_\_\_

Turn-Around Time:  
 Standard  Rush same day  
 Project Name: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Project Manager: D. Watson  
 Sampler: K. Christanson  
 On Ice:  Yes  No  
 Sample Temperature: 12.6

### Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	300.0 chlorides	Air Bubbles (Y or N)
											X	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
8-20-12	0930	Soil	SC-1	1-4oz	—	12688710

Date: 8/20/12	Time: 1722	Relinquished by: <u>Kelley Watson</u>	Received by: <u>Christa Weets</u>	Date: 8/20/12	Time: 1722	Remarks: <u>Ball to ConocoPhillips</u>
Date: 8/20/12	Time: 1747	Relinquished by: <u>Christa Weets</u>	Received by: <u>[Signature]</u>	Date: 08/21/12	Time: 1031	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.